

AMENDMENTS TO THE CLAIMS

1. (Currently amended): A method in a computer system for providing both directory information and dynamically updated contact information for at least one of a plurality of entities in response to a directory search, said method comprising ~~the steps of:~~

receiving a query criteria to perform a directory search, said query criteria comprising information that is included in a directory database;

executing a search of said [[a]] directory database that comprises static information and does not comprise dynamically updated contact information utilizing said query criteria to produce a first result, said directory database being a list of names and addresses of potential recipients;

invoking a dynamic contact information service utilizing said first result to search an electronic calendaring system to produce a second result containing dynamic contact information about each recipient included in said first result, said dynamic contact information being dynamically updated to indicate a recipient's current contact information and current availability that describe how the recipient can be currently contacted;

coalescing said first and second results to produce a coalesced result; and providing said coalesced result.

2. (Currently amended): The method according to claim 1, further comprising ~~the steps of:~~

executing said search of said directory database utilizing said query criteria to produce said first result which is a null set; and

invoking said dynamic contact information service utilizing said query criteria to produce said second result.

3. (Currently amended): The method according to claim 1, comprising ~~the steps of:~~ establishing said directory database including directory records for a first plurality of said plurality of entities, said directory records including directory information for each of said first plurality of said plurality of entities; and

establishing a dynamic contact information service that provides a dynamic-content record for a second plurality of said plurality of entities, each said dynamic-content record being dynamically updated to indicate current contact information for said each of said second plurality of said plurality of entities.

4. (Currently amended): The method according to claim 1, further comprising ~~the step of~~ specifying filtering preferences for filtering said coalesced result to produce a filtered result.

5. (Currently amended): The method according to claim 4, further comprising ~~the step of~~ formatting and displaying said filtered result.

6. (Currently amended): The method according to claim 4, further comprising ~~the step of~~ filtering said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates that said plurality of people are available by a requestor specified means and within a particular period of time.

7. (Currently amended): The method according to claim 4, further comprising ~~the step of~~ filtering said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates that said plurality of people are available to receive a telephone call within a particular period of time.

8. (Currently amended): The method according to claim 4, further comprising ~~the step of~~ filtering said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates that said plurality of people are available for an in-person meeting within a particular period of time.

9. (Currently amended): The method according to claim 4, further comprising ~~the step of~~ filtering said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates that said plurality of people are available for communication via instant messaging within a particular period of time.

10. (Currently amended): The method according to claim 4, further comprising ~~the step of~~ filtering said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates that said plurality of people are available for receiving a page within a particular period of time.

11. (Currently amended): The method according to claim 4, further comprising ~~the step of~~ filtering said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates that said plurality of people are available to check an e-mail account for each of said plurality of people within a particular period of time.

12. (Currently amended): The method according to claim 4, further comprising ~~the step of~~ filtering said coalesced result to include within said filtered result only fields specified by a requestor.

13. (Currently amended): The method according to claim 1, further comprising ~~the step of~~ specifying sorting preferences for sorting said coalesced result.

14. (Currently amended): The method according to claim 13, further comprising ~~the step of~~ sorting said records so that said records are displayed in a particular order.

15. (Currently amended): The method according to claim 1, further comprising ~~the step of~~ including within said coalesced result a telephone number for each of said plurality of people, said telephone number being a telephone number at which said each of said plurality of people can be reached by telephone during a particular period of time.

16. (Currently amended): The method according to claim 1, further comprising ~~the step of~~ including within said coalesced result a physical location for each of said plurality of people, said physical location being a location where said each of said plurality of people can be found during a particular period of time.

17. (Currently amended): The method according to claim 1, further comprising ~~the step of~~ including within said coalesced result a pager address for each of said plurality of people, said pager address being a pager address at which said each of said plurality of people can be reached by paging during a particular period of time.

18. (Currently amended): The method according to claim 1, further comprising ~~the step of~~ including within said coalesced result an instant message user name for each of said plurality of people, said instant message user name being an instant message user name at which said each of said plurality of people can be reached via an instant message service during a particular period of time.

19. (Currently amended): The method according to claim 1, further comprising ~~the step of~~ including within said coalesced result an e-mail address for each of said plurality of people, said e-mail address being an e-mail address which said each of said plurality of people is expected to check during a particular period of time.

20. (Currently amended): The method according to claim 1, further comprising ~~the step of~~ including within said coalesced result an indication of whether said one or more of said plurality of people is currently utilizing a telephone.

21. (Currently amended): The method according to claim 1, further comprising ~~the step of~~ including within said coalesced result an indication of a best current means for contacting each of said plurality of people.

22. (Currently amended): The method according to claim 1, further comprising ~~the step of~~ including within said coalesced result an indication of an alternate contact person for each of said plurality of people.

23. (Currently amended): The method according to claim 1, further comprising ~~the step of~~ including within said coalesced result an indication of whether said one or more of said plurality of people is available in a particular period of time to be contacted by

any means and one or more means for contacting said one or more of said plurality of people.

24. (Currently amended): A computer program product in a computer system for providing both directory information and dynamically updated contact information for at least one of a plurality of entities in response to a directory search, said computer program product comprising:

a computer readable medium having computer readable program code embodied therein, the computer readable medium comprising:

instruction means for receiving computer readable program code configured to receive a query criteria to perform a directory search, said query criteria comprising information that is included in a directory database;

instruction means for executing computer readable program code configured to execute a search of said [[a]] directory database that comprises static information and does not comprise dynamically updated contact information utilizing said query criteria to produce a first result, said directory database being a list of names and addresses of potential recipients;

instruction means for invoking computer readable program code configured to invoke a dynamic contact information service utilizing said first result to search an electronic calendaring system to produce a second result containing dynamic contact information about each recipient included in said first result, said dynamic contact information being dynamically updated to indicate a recipient's current contact information and current availability that describe how the recipient can be currently contacted;

instruction means for coalescing computer readable program code configured to coalesce said first and second results to produce a coalesced result; and

instruction means for providing computer readable program code configured to provide said coalesced result.

25. (Currently amended): The product according to claim 24, further comprising:
~~instruction means for executing computer readable program code configured to~~
~~execute~~ said search of said directory database utilizing said query criteria to produce said
first result which is a null set; and

~~instruction means for invoking computer readable program code configured to~~
~~invoke~~ said dynamic contact information service utilizing said query criteria to produce
said second result.

26. (Currently amended): The product according to claim 24, further comprising:
~~instruction means for establishing computer readable program code configured to~~
~~establish~~ said directory database ~~including comprising~~ directory records for a first
plurality of said plurality of entities, said directory records ~~including comprising~~ directory
information for each of said first plurality of said plurality of entities; and

~~instruction means for establishing computer readable program code configured to~~
~~establish~~ a dynamic contact information service that provides a dynamic-content record
for a second plurality of said plurality of entities, each said dynamic-content record being
dynamically updated to indicate current contact information for said each of said second
plurality of said plurality of entities.

27. (Currently amended): The product according to claim 24, further comprising
~~instruction means for specifying computer readable program code configured to specify~~
filtering preferences for filtering said coalesced result to produce a filtered result.

28. (Currently amended): The product according to claim 27, further comprising
~~instruction means for formatting and displaying computer readable program code~~
~~configured to format and display~~ said filtered result.

29. (Currently amended): The product according to claim 27, further comprising
~~instruction means for filtering computer readable program code configured to filter~~ said
coalesced result to include within said filtered result only records of a plurality of people

whose contact information indicates that said plurality of people are available by a requestor specified means and within a particular period of time.

30. (Currently amended): The product according to claim 27, further comprising ~~instruction means for filtering~~ computer readable program code configured to filter said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates that said plurality of people are available to receive a telephone call within a particular period of time.

31. (Currently amended): The product according to claim 27, further comprising ~~instruction means for filtering~~ computer readable program code configured to filter said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates that said plurality of people are available for an in-person meeting within a particular period of time.

32. (Currently amended): The product according to claim 27, further comprising ~~instruction means for filtering~~ computer readable program code configured to filter said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates that said plurality of people are available for communication via instant messaging within a particular period of time.

33. (Currently amended): The product according to claim 27, further comprising ~~instruction means for filtering~~ computer readable program code configured to filter said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates that said plurality of people are available for receiving a page within a particular period of time.

34. (Currently amended): The product according to claim 27, further comprising ~~instruction means for filtering~~ computer readable program code configured to filter said coalesced result to include within said filtered result only records of a plurality of people

whose contact information indicates that said plurality of people are available to check an e-mail account for each of said plurality of people within a particular period of time.

35. (Currently amended): The product according to claim 27, further comprising ~~instruction means for filtering~~ computer readable program code configured to filter said coalesced result to include within said filtered result only fields specified by a requestor.

36. (Currently amended): The product according to claim 24, further comprising ~~instruction means for specifying~~ computer readable program code configured to specify sorting preferences for sorting said coalesced result.

37. (Currently amended): The product according to claim 36, further comprising ~~instruction means for sorting~~ computer readable program code configured to sort said records so that said records are displayed in a particular order.

38. (Currently amended): The product according to claim 24, further comprising ~~instruction means for including~~ computer readable program code configured to include within said coalesced result a telephone number for each of said plurality of people, said telephone number being a telephone number at which said each of said plurality of people can be reached by telephone during a particular period of time.

39. (Currently amended): The product according to claim 24, further comprising ~~instruction means for including~~ computer readable program code configured to include within said coalesced result a physical location for each of said plurality of people, said physical location being a location where said each of said plurality of people can be found during a particular period of time.

40. (Currently amended): The product according to claim 24, further comprising ~~instruction means for including~~ computer readable program code configured to include within said coalesced result a pager address for each of said plurality of people, said

pager address being a pager address at which said each of said plurality of people can be reached by paging during a particular period of time.

41. (Currently amended): The product according to claim 24, further ~~instruction~~ means for including computer readable program code configured to include within said coalesced result an instant message user name for each of said plurality of people, said instant message user name being an instant message user name at which said each of said plurality of people can be reached via an instant message service during a particular period of time.

42. (Currently amended): The product according to claim 24, further ~~instruction~~ means for including computer readable program code configured to include within said coalesced result an e-mail address for each of said plurality of people, said e-mail address being an e-mail address which said each of said plurality of people is expected to check during a particular period of time.

43. (Currently amended): The product according to claim 24, further comprising ~~instruction means for including~~ computer readable program code configured to include within said coalesced result an indication of whether said one or more of said plurality of people is currently utilizing a telephone.

44. (Currently amended): The product according to claim 24, further comprising ~~instruction means for including~~ computer readable program code configured to include within said coalesced result an indication of a best current means for contacting each of said plurality of people.

45. (Currently amended): The product according to claim 24, further comprising ~~instruction means for including~~ computer readable program code configured to include within said coalesced result an indication of an alternate contact person for each of said plurality of people.

46. (Currently amended): The product according to claim 24, further comprising ~~instruction means for including~~ computer readable program code configured to include within said coalesced result an indication of whether said one or more of said plurality of people is available in a particular period of time to be contacted by any means and one or more means for contacting said one or more of said plurality of people.

47. (Currently amended): A computer system for providing both directory information and dynamically updated contact information for at least one of a plurality of entities in response to a directory search, comprising:

a memory;

a processor connected to access said memory;

a directory database stored in said memory, said directory database comprising a list of names and addresses of potential recipients, said directory database comprising static information and does not comprise dynamically updated contact information;

program instructions stored in said memory and executed by said processor, said program instructions comprising

~~said computer system~~ instructions for receiving a query criteria to perform a directory search, said query criteria comprising information that is included in said directory database[[:]]

~~said computer system including a CPU executing code~~ instructions for executing a search of said [[a]] directory database utilizing said query criteria to produce a first result;

~~said CPU executing code~~ instructions for invoking a dynamic contact information service utilizing said first result to search an electronic calendaring system to produce a second result containing dynamic contact information about each recipient included in said first result, said dynamic contact information being dynamically updated to indicate a recipient's current contact information and current availability to describe how the recipient can be currently contacted;

~~said CPU executing code~~ instructions for coalescing said first and second results to produce a coalesced result; and

~~said computer system~~ instructions for providing said coalesced result.

48. (Currently amended): The system according to claim 47, further comprising, ~~said CPU executing code for executing said search of said directory database utilizing said query criteria to produce~~ when said first result which is a null set, ~~and]] said CPU executing code instructions~~ for invoking said dynamic contact information service utilizing said query criteria to produce said second result.

49. (Currently amended): The system according to claim 47, further comprising:
said directory database ~~including~~ comprising directory records for a first plurality of said plurality of entities, said directory records ~~including~~ comprising directory information for each of said first plurality of said plurality of entities; and
a dynamic contact information service that provides a dynamic-content record for a second plurality of said plurality of entities, each said dynamic-content record being dynamically updated to indicate current contact information for said each of said second plurality of said plurality of entities.

50. (Currently amended): The system according to claim 47, further comprising ~~said computer system~~ instructions for receiving specified filtering preferences for filtering said coalesced result to produce a filtered result.

51. (Currently amended): The system according to claim 50, further comprising ~~said CPU executing code~~ instructions for formatting and displaying said filtered result.

52. (Currently amended): The system according to claim 50, further comprising ~~said CPU executing code~~ instructions for filtering said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates that said plurality of people are available by a requestor specified means and within a particular period of time.

53. (Currently amended): The system according to claim 50, further comprising ~~said CPU executing code~~ instructions for filtering said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates

that said plurality of people are available to receive a telephone call within a particular period of time.

54. (Currently amended): The system according to claim 50, further comprising said ~~CPU-executing-code~~ instructions for filtering said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates that said plurality of people are available for an in-person meeting within a particular period of time.

55. (Currently amended): The system according to claim 50, further comprising said ~~CPU-executing-code~~ instructions for filtering said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates that said plurality of people are available for communication via instant messaging within a particular period of time.

56. (Currently amended): The system according to claim 50, further comprising said ~~CPU-executing-code~~ instructions for filtering said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates that said plurality of people are available for receiving a page within a particular period of time.

57. (Currently amended): The system according to claim 50, further comprising said ~~CPU-executing-code~~ instructions for filtering said coalesced result to include within said filtered result only records of a plurality of people whose contact information indicates that said plurality of people are available to check an e-mail account for each of said plurality of people within a particular period of time.

58. (Currently amended): The system according to claim 50, further comprising said ~~CPU-executing-code~~ instructions for filtering said coalesced result to include within said filtered result only fields specified by a requestor.

59. (Currently amended): The system according to claim 47, further comprising ~~said computer system~~ instructions for receiving specified ~~specified~~ sorting preferences for sorting said coalesced result.

60. (Currently amended): The system according to claim 59, further comprising ~~said CPU executing code~~ instructions for sorting said records so that said records are displayed in a particular order.

61. (Currently amended): The system according to claim 47, further comprising said coalesced result ~~including~~ comprising a telephone number for each of said plurality of people, said telephone number being a telephone number at which said each of said plurality of people can be reached by telephone during a particular period of time.

62. (Currently amended): The system according to claim 47, further comprising said coalesced result ~~including~~ comprising a physical location for each of said plurality of people, said physical location being a location where said each of said plurality of people can be found during a particular period of time.

63. (Currently amended): The system according to claim 47, further comprising said coalesced result ~~including~~ comprising a pager address for each of said plurality of people, said pager address being a pager address at which said each of said plurality of people can be reached by paging during a particular period of time.

64. (Currently amended): The system according to claim 47, further comprising said coalesced result ~~including~~ comprising an instant message user name for each of said plurality of people, said instant message user name being an instant message user name at which said each of said plurality of people can be reached via an instant message service during a particular period of time.

65. (Currently amended): The system according to claim 47, further comprising said coalesced result ~~including~~ comprising an e-mail address for each of said plurality of

people, said e-mail address being an e-mail address which said each of said plurality of people is expected to check during a particular period of time.

66. (Currently amended): The system according to claim 47, further comprising said coalesced result ~~including~~ comprising an indication of whether said one or more of said plurality of people is currently utilizing a telephone.

67. (Currently amended): The system according to claim 47, further comprising said coalesced result ~~including~~ comprising an indication of a best current means for contacting each of said plurality of people.

68. (Currently amended): The system according to claim 47, further comprising said coalesced result ~~including~~ comprising an indication of an alternate contact person for each of said plurality of people.

69. (Currently amended): The system according to claim 47, further comprising said coalesced result ~~including~~ comprising an indication of whether said one or more of said plurality of people is available in a particular period of time to be contacted by any means and one or more means for contacting said one or more of said plurality of people.